# 

| 54<br>T'TC<br>F | 108<br>CTC<br>L | 162<br>GAT<br>D | 216<br>GCA<br>A                 | 270<br>CTA<br>L | 324<br>TGC<br>C | 378<br>GGC<br>G |
|-----------------|-----------------|-----------------|---------------------------------|-----------------|-----------------|-----------------|
| 9<br>299        | CTC             | TTA<br>L        | GCA<br>A                        | ACT<br>T        | TTT<br>F        | ATA<br>I        |
| AAA<br>K        | CTT<br>L        | GTG<br>V        | CAT<br>H                        | TCA             | CTG<br>L        | AGT<br>S        |
| 45<br>CAG<br>Q  | 99<br>ACG<br>T  | 153<br>GCC<br>A | 207<br>TGT<br>C                 | 261<br>AAG<br>K | 315<br>GAA<br>E | 369<br>GGA<br>G |
| GTG<br>V        | TTC             | GAG<br>E        | CAT                             | GAC             | ATA<br>I        | CTG             |
| TCT             | GCC             | GAC             | AAA<br>K                        | GCT             | CGA<br>R        | CTA             |
| 36<br>GAG<br>E  |                 | 144<br>GCG<br>A | 198<br>TTA<br>L                 | 252<br>CGA<br>R | 306<br>GAG<br>E | 360<br>ATC<br>I |
| TCG             | TCC             | CAG<br>Q        | GTT<br>V                        | CAC<br>H        | AGA<br>R        | GAA<br>E        |
| CTC             | GAC             | GCC             | GTG<br>V                        | AAG<br>K        | GAC             | CTA             |
| 27<br>GAG<br>E  | 81<br>TTC<br>F  | 135<br>GAC<br>D | 189<br>CCA GTG<br>P V           | 243<br>GGA<br>G | 297<br>TTT<br>F | 351<br>TCC<br>S |
| ATG<br>M        | TCC             | CTG<br>L        | GAC<br>D                        | GCA<br>A        | AAA<br>K        | AAT<br>N        |
| ACA             | CGC             | CTG<br>L        | ATC                             | GAG             |                 | AAG<br>K        |
| 18<br>CTC       | 72<br>CCC<br>P  | 126<br>AGT<br>S | 180<br>CAT<br>H                 | 234<br>CTA<br>L |                 | 342<br>AAT<br>N |
| 909             | GAT<br>D        | CAG             | AAA<br>K                        | ATA<br>I        | GAA<br>E        | AAT<br>N        |
| 299             | GCG<br>A        | TTC             | TTG                             | TAC<br>Y        | CTA<br>L        | CAG<br>Q        |
| 9<br>CAC        | 63<br>CTG<br>L  | 117<br>GCA<br>A | 171<br>GAC<br>D                 | 225<br>ACT<br>T | 279<br>TAT<br>Y | 333<br>TAT<br>Y |
|                 | ATG<br>M        | GCG             | CCA<br>P                        | GCA<br>A        | ACT<br>T        | ACG GAA T       |
| CGA AGT         | CAG<br>Q        | CGG<br>R        | 171<br>CAT CCA GAC T<br>H P D I | GCT             | AGC<br>S        | ACG             |
| رح -            |                 |                 |                                 |                 |                 |                 |

#### FIGURE 1A

## 

| 432<br>AAG<br>K | 486<br>GTA<br>V | 540<br>GAA<br>E | 594<br>AGA<br>R | 648<br>AAA      |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| ATA<br>I        | AGT<br>S        | ATG<br>M        | GAA<br>E        | GGA             |
| CAG<br>Q        | TTA<br>L        | AGC<br>S        | CTG<br>L        | AGA             |
| 423<br>TAT<br>Y | 477<br>ACC<br>T | 531<br>TGC<br>C | 585<br>AGC<br>S | 639<br>TGC      |
| GAA<br>E        | GTG<br>V        |                 | AAA<br>K        | CCC GAG         |
| TTG<br>L        | ${ m TTG}$      | TTT<br>F        | TCG             |                 |
| 414<br>CGC<br>R | 468<br>TAT<br>Y | 522<br>AGT<br>S | 576<br>GCT<br>A | 630             |
| TGG<br>W        | GCA             | ATT             | GAT<br>D        | GAT             |
| TCT<br>S        | CCT             | GAG<br>E        | AAA<br>K        | AAC             |
| 405<br>GTT<br>V | 459<br>AGA<br>R | 513<br>CCA<br>P | 567<br>CTT<br>L | 621<br>GTT      |
| GAT<br>D        | TAC<br>Y        | TAT<br>Y        | AAA<br>K        | GAA             |
| ACG             | ATG<br>M        | TCC             |                 | 999             |
| 396<br>ATA<br>I | 450<br>AGG<br>R | 504<br>CCA<br>P | 558<br>GTG<br>V | 612<br>CTT      |
| CAT<br>H        | CAT<br>H        | TCC             | TTG<br>L        | TAA             |
| CCT             | CTT             | GAT<br>D        | GAC<br>D        | ${ m TTG}$      |
| 387<br>CTC<br>L | 441<br>CAA<br>Q | 495<br>ACT<br>T | 549<br>CAG<br>Q | 603<br>CAG<br>Q |
| TCT             | ACC AAT<br>T N  | AAC<br>N        | TTA (           | ACT<br>T        |
| AGA<br>R        | ACC             | CAG<br>Q        | CAA<br>Q        | GCA A           |

#### FIGURE 1B

711 720 729 738 747 TTC TTT TGA ATT TAT ACC ATT CAN CAA TTT T 3'

657 666 675 684 693 702 CCA GAA ACG CCT TGC CTT CAG CTG AAC CAC CGT TTG TGC GAG CTG GAT GTC CTT

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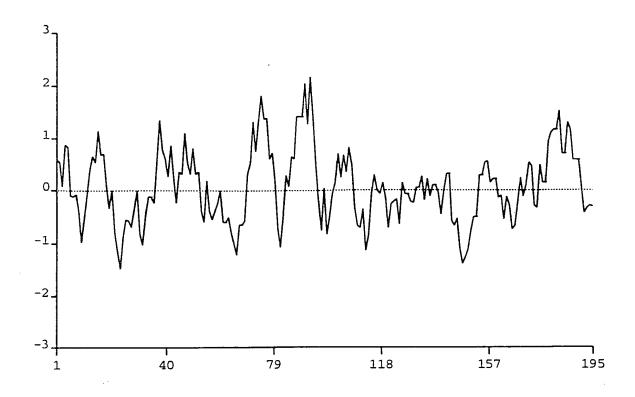


FIGURE 3A

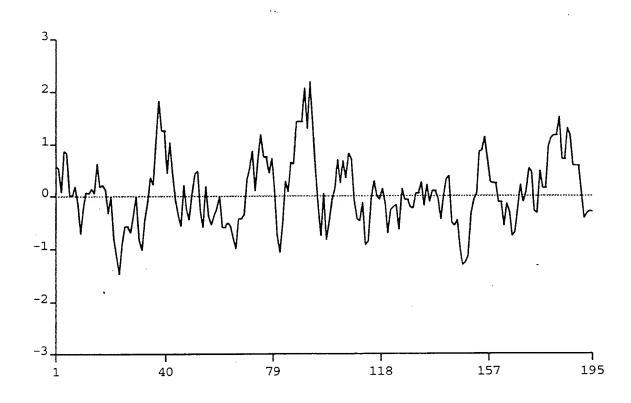


FIGURE 3B